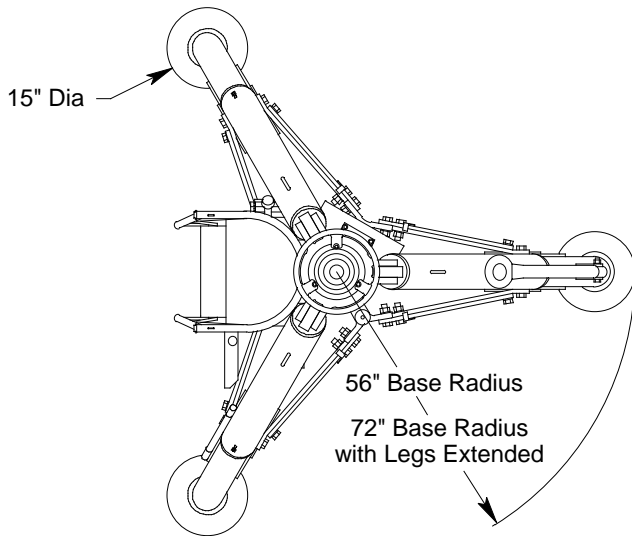


**MODEL 789**  
**120 TON VARIABLE HEIGHT TRIPOD JACK**



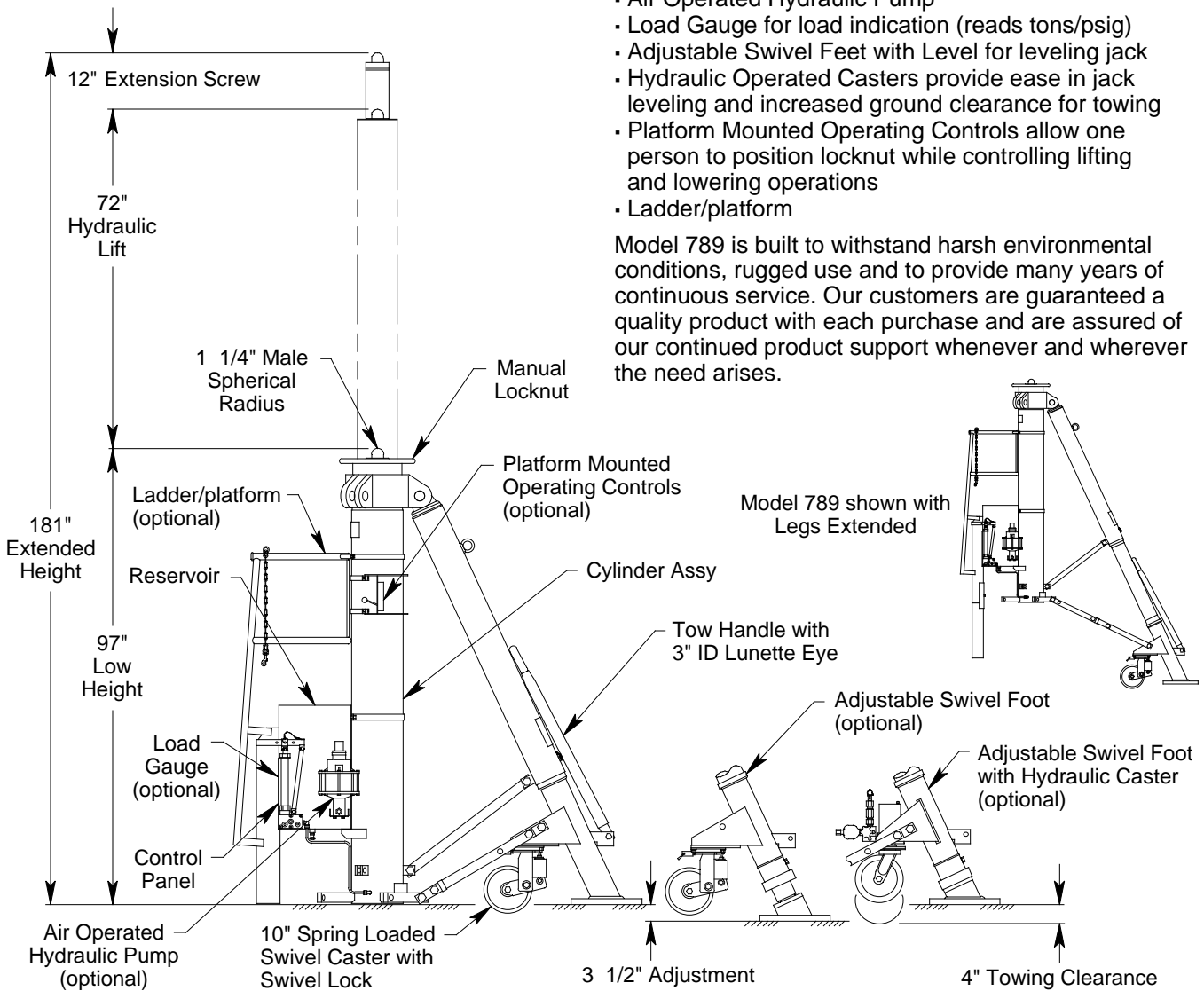
**JACK INCLUDES:**

- Manual Hand Pump with high, medium and low pressure operating positions
- Heavy Duty Tow Handle and Swivel Casters with Swivel Locks for improved towing
- Hydraulic "Thermal" Relief Valve for added protection and safety in the event of internal fluid expansion due to temperature
- Secondary Cylinder Seal for protection against contaminants and to prolong life of primary seal
- Rain Hat (covers jack upper head)
- Hard Chrome Plated Cylinder Bore
- All unpainted parts are plated to resist corrosion
- Skydrol Resistant Paint (safety yellow)
- Factory Proof Load @ 150% of rated capacity
- 3 Year Warranty
- Shipping Skid

**STANDARD OPTIONS:**

- Air Operated Hydraulic Pump
- Load Gauge for load indication (reads tons/psig)
- Adjustable Swivel Feet with Level for leveling jack
- Hydraulic Operated Casters provide ease in jack leveling and increased ground clearance for towing
- Platform Mounted Operating Controls allow one person to position locknut while controlling lifting and lowering operations
- Ladder/platform

Model 789 is built to withstand harsh environmental conditions, rugged use and to provide many years of continuous service. Our customers are guaranteed a quality product with each purchase and are assured of our continued product support whenever and wherever the need arises.



See Reverse Side for Specifications, Options, Aircraft Applications & Shipping Data

# MODEL 789

## 120 TON VARIABLE HEIGHT TRIPOD JACK

SPECIFICATIONS	
Rated Capacity:	120 tons (108.9 m. tons)
Side Load:	15% of vertical load
Roll Under Height:	add 1.5 inches (38 mm) to low heights
Low Height:	97 inches (2464 mm)
Low Height with Legs Extended:	132 inches (3353 mm)
Hydraulic Lift:	72 inches (1829 mm)
Extension Screw:	12 inches (305 mm)
Total Extended Height:	181 inches (4597 mm)
Total Extended Height with Legs Extended:	216 inches (5486 mm)
Oil Pressure at Rated Capacity:	3730 psig (262 kg/sq cm)
Safety Pop-off Valves	
System Relief Valve set at:	132 tons (119.8 m. tons)
Thermal Relief Valve set at:	150 tons (136.1 m. tons)
Proof Load:	180 tons (163.3 m. tons)
Reservoir Capacity:	26 gallons (98.4 liters)
Hydraulic Fluid:	MIL-H-5606 or equivalent
Maximum Towing Speed:	5 mph (8 km/h)
Approximate Jack Net Weight:	4600 lbs (2087 kg)

MODEL 789 TYPICAL AIRCRAFT APPLICATIONS	
Jack Configuration	Wing or Body
789	A319, A320, A321, B747, B757*, B767, B777
789 with Legs Extended	A300, A310, A330, A340, DC10, MD11, L1011
*Specify 3/4" Female Spherical Radius Ship Adapter p/n 73318-1 for this application	

**OPTIONAL EQUIPMENT CODES:** (Specify at time of order)

- |  |  |
|--|--|
| AP: Air Operated Hydraulic Pump                  | LA: Ladder/platform                                |
| GA: Load Gauge                                   | RC: Platform Mounted Operating Controls            |
| AF: Adjustable Swivel Foot                       | SPC: Special Paint Color (yellow is standard)      |
| HC: Adjustable Swivel Foot with Hydraulic Caster | 789PK: Repair Kit                                  |
| SA: Shock Absorber (requires hydraulic caster)   | 73318-1: 3/4" Female Spherical Radius Ship Adapter |

**PACKAGING CODES & OPTIONS:** (Specify at time of order)

- : Domestic Skid - Jack Set-up
- KD: Domestic Skid - Jack Knocked Down (Additional Cost)
- ECKD: Export Crate - Jack Knocked Down (Additional Cost)

SHIPPING DATA					
NOTE: Unless otherwise specified, Model 789 jack is shipped on a wood skid in the set-up condition. Refer to Malabar Tripod Jack Shipping Supplement for additional packaging information.					
Packaging Code	Length inch (mm)	Width inch (mm)	Height inch (mm)	Weight lbs (kg)	Total Weight lbs (kg)
—	106 (2692)	91 (2311)	102 (2591)	4900 (2223)	4900 (2223)
KD	(leg skid)	116 (2946)	40 (1016)	36 (914)	5200 (2359)
	(cylinder skid)	100 (2540)	40 (1016)	45 (1143)	
ECKD	(leg crate)	118 (2997)	45 (1143)	39 (991)	5800 (2631)
	(cylinder crate)	102 (2591)	45 (1143)	48 (1219)	